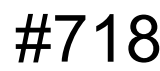




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The logo for Dialectic Engineering features a large, bold, black letter 'D' inside a black square. To the right of the square, the word 'dialectic' is written in a large, lowercase, sans-serif font, and the word 'ENGINEERING' is written below it in a smaller, uppercase, sans-serif font. Below the logo, the following text is displayed: 'Dialectic, Inc.', '310 W 20th Street, Suite 200', 'Kansas City, MO 64108', 'T 816-997-9801', 'F 816-997-9832', 'DialecticEng.com', 'Florida Certificate of', 'Authorization Number 8039', and 'Copyright © 2011'. A red 'Dialectic' logo is also visible in the bottom right corner.

PARKWAY

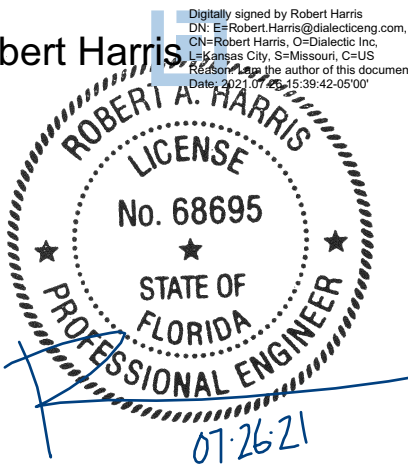
Owner

Architect

MEP Engineer:

Design Directive: 43

Robert Harris



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CHECKED BY: MOW
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Approved Plans
Orange County
Division of Building Safety

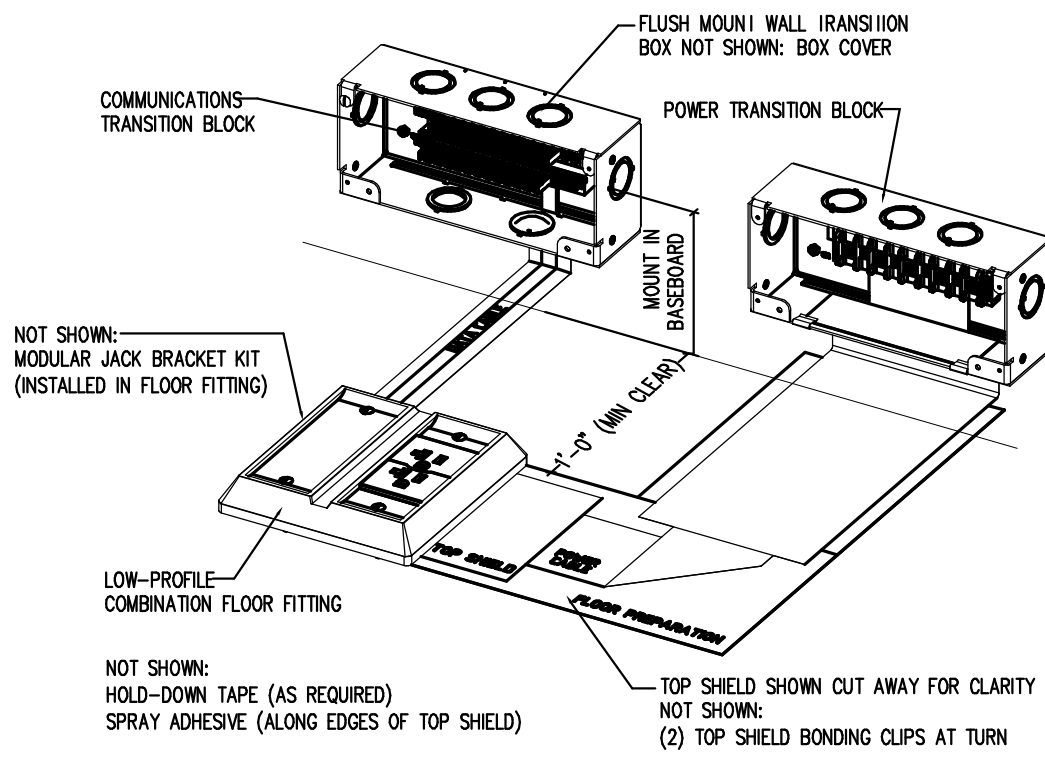
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3 INSTALLATION DETAIL

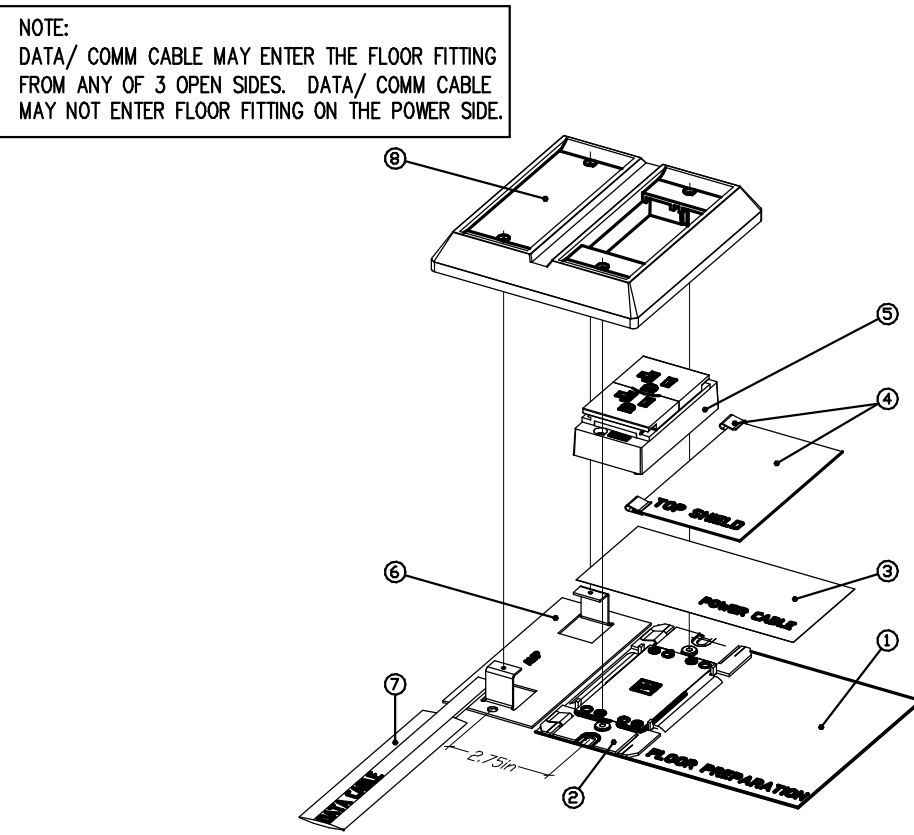
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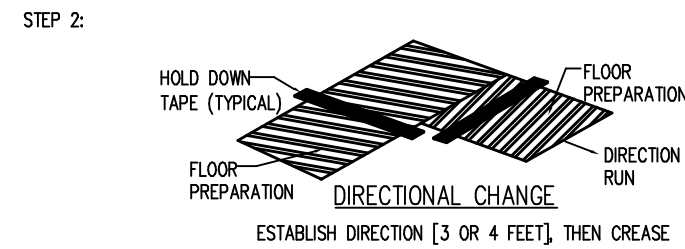
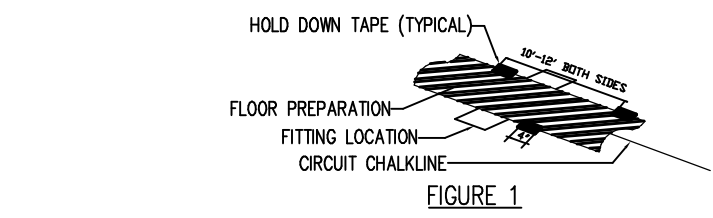
NOTE:
THIS CABLE, FLOOR FITTING, PLACEMENT AND ORIENTATION SHOWN FOR CLARITY. ACTUAL CABLE, FLOOR FITTING, PLACEMENT AND ORIENTATION SHALL BE VERIFIED BY INSTALLER.

2 INSTALLATION STEPS 1-8

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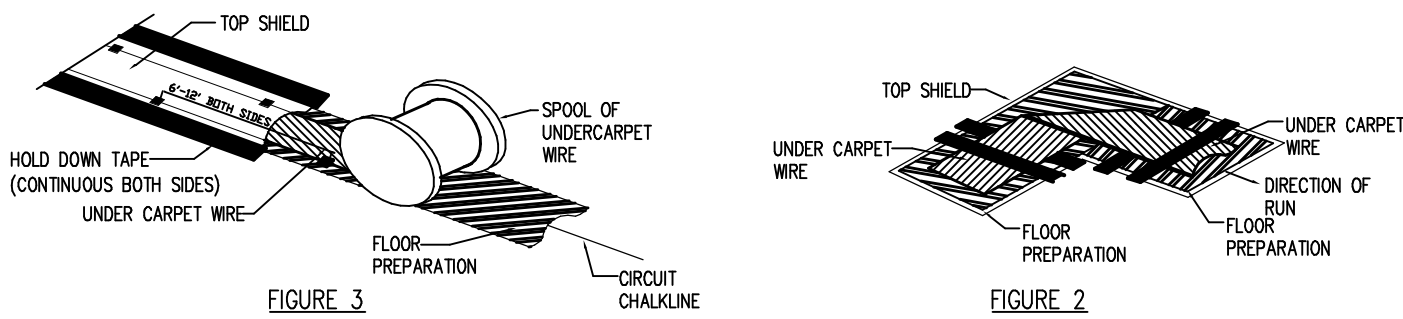


STEP 1:
FLOOR PREPARATION (MUST BE USED FOR SLAB-ON-GRADE APPLICATION - FIGURE 1):
THE FLOOR PREPARATION IS A YELLOW-COLORED, POLYVINYL MATERIAL, THAT IS DESIGNED TO PROTECT THE SYSTEM FROM FLOOR MOISTURE, CHEMICAL REACTION, AND ABRASION IN SLAB-ON-GRADE LEVEL APPLICATION.
1. BEGIN LAYING FLOOR PREPARATION AT THE POWER SOURCE TRANSITION FITTING. CENTER FLOOR PREPARATION OVER CIRCUIT CHALKLINE IN FLOOR.
2. TAPE FLOOR PREPARATION TO FLOOR, USING 4" HOLD DOWN TAPE, EVERY 10 TO 12 FEET. (FIGURE 1)



1 POWER CABLE DIRECTIONAL DETAIL

NOT TO SCALE

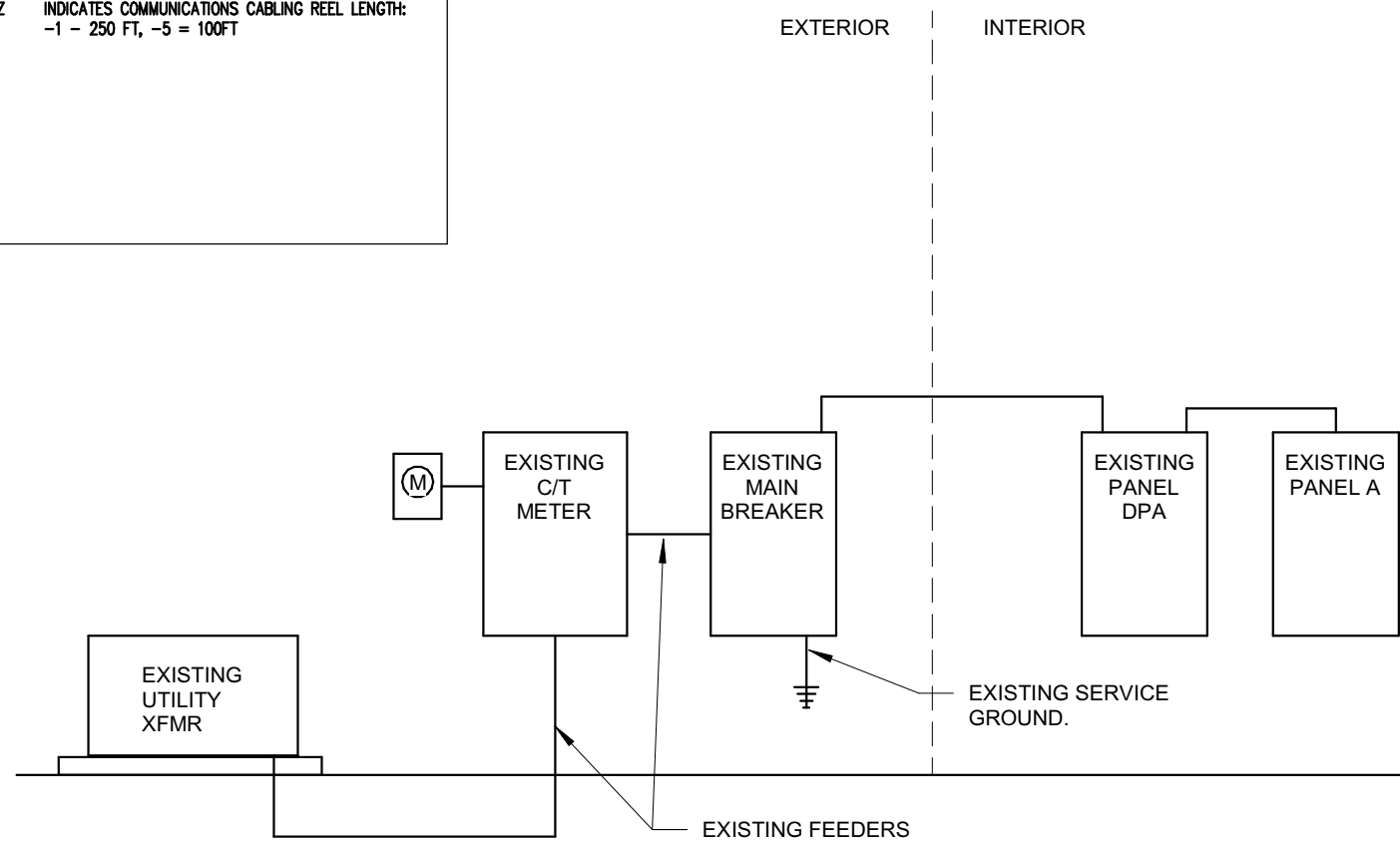


UNDERCARPET CABLING SYSTEM DETAILS										
TE CONNECTIVITY BOM PART NUMBER NOTE	DESCRIPTION	AREA 1	AREA 2	AREA 3	AREA 4	AREA 5	AREA 6	AREA 7	CABLE ALL AREAS	TOTALS NOTES
POWER:										
1375045-X	FLOOR WT WALL TRANSITION KIT	1	1		1				1	--- TRANSITION BOX AT WALL
554862-1	POWER TRANSITION BLOCK	1	1		1				1	--- TERMINAL BLOCK, GOES IN TRANSITION BOX AT WALL
554181-X	POWER WRP KIT								1	--- FLOOR TRANSITION BOX
554123-Y	1 FLOOR PREP								100	--- FT MOISTURE BARRIER, REQUIRED FOR SLAB-ON-GRADE INSTALLATIONS
555356-Y	2 TOP SHIELD								100	--- FT METAL SHIELD, REQUIRED FOR POWER CABLE
3-553379-Y	3 3X 1/2\"/>								100	--- FT ONE LINE, ONE NEUTRAL, ONE GROUND
554142-X	--- FLOOR RECEPTACLE									--- FLOOR RECEPTACLE
553354-1	4 TOP SHIELD BONDING CLIP	2	2		4					--- TWO REQUIRED AT EACH TOP SHIELD DIRECTIONAL CHANGE, TURN OR SPLICE
DATA/COMM:										
1375045-X	FLOOR WT WALL TRANSITION KIT	1	1		1					--- TRANSITION BOX AT WALL
1479985-1	CAT 6 DATA/COMM TRANSITION BLOCK	1	1		1					--- JUMPER BLOCK, GOES IN TRANSITION BOX AT WALL - UP TO (6) 4-PR CABLES EACH
553356-Y	5 TOP SHIELD								100	--- FT METAL SHIELD, OPTIONAL FOR DATA CABLE
1489539-Z	3 CAT 6 DATA/COMM CABLE	1	1		1				100	--- FT
1833377-1	WEP JACK BRACKET W/ CAT 6 JACK	2	2		2					---
MATERIALS:										
6-553453-Z	6 SPRAY ADHESIVE*								3	--- REQUIRED TO HELP BOND CABLING TO FLOOR AND SEAL SYSTEM FROM MOISTURE
553461-1	8 HOLD DOWN TAPE*								3	--- REQUIRED TO FASTEN POWER CABLING SYSTEM TO FLOOR
1726986-1	7 DATA/COMM CABLE NOTCHING TOOL								1	--- RECOMMENDED FOR NOTCHING DATA CABLE JACKET FOR DIRECTIONAL CHANGES OR TURNS
BOM NOTES:										
1. FLOOR PREP REQUIRED FOR SLAB-ON-GRADE OR MOISTURE-SENSITIVE INSTALLATIONS, BUT RECOMMENDED FOR ALL POWER CABLING INSTALLATIONS. 1 FT FLOOR PREPARATION REQUIRED PER 1 FT POWER CABLE. NOT REQUIRED FOR COMMUNICATIONS CABLE. 2. TOP SHIELD REQUIRED FOR ALL POWER CABLING INSTALLATIONS. 1 FT TOP SHIELD REQUIRED PER 1 FT POWER CABLE. 3. ACTUAL CABLE QUANTITIES SHALL BE VERIFIED BY INSTALLER. INCLUDE ADDITIONAL LENGTH FOR WALL BOX TERMINATION, APPROXIMATELY 2 FT PER LOCATION. 4. TOP SHIELD BONDING CLIPS REQUIRED AT ALL TAPS, SPLICES AND TURNS. 2 CLIPS REQUIRED PER LOCATION. 5. TOP SHIELD OPTIONAL FOR DATA/COMM CABLING INSTALLATIONS. 1 FT TOP SHIELD OPTIONAL PER 1 FT COMMUNICATIONS CABLE, EXCEPT THAT MULTIPLE COMMUNICATIONS CABLES IN THE SAME CIRCUIT PATH MAY BE PLACED SIDE BY SIDE UNDER ONE TOP SHIELD. 6. SPRAY ADHESIVE REQUIRED FOR PROPER POWER CABLING INSTALLATION. SPRAY ADHESIVE OPTIONAL FOR DATA/COMM INSTALLATION. ONE CAN SPRAY ADHESIVE REQUIRED PER 100 FT POWER CABLE. ON CAN SPRAY ADHESIVE OPTIONAL PER 200 FT COMMUNICATIONS CABLE. 7. HOLD DOWN TAPE REQUIRED FOR PROPER INSTALLATION. ONE ROLL HOLD DOWN TAPE PER 75 FT POWER CABLE (TAPE APPLIED CONTINUOUSLY ALONG EDGES). 8. NOTCHING OF COMMUNICATIONS CABLE "MINUS" REQUIRED AT ALL DATA/COMM CABLING TURNS. NOTCHING TOOL RECOMMENDED. DO NOT FOLD DATA/COMM CABLE.										
* INDICATES ITEMS THAT MAY BE USED FOR BOTH POWER AND DATA/COMM APPLICATIONS INDICATES COLOR: -1 = BLACK, -3 = GRAY INDICATES POWER CABLING MATERIALS REEL LENGTH: -1 = 250 FT, -3 = 50 FT, -4 = 100 FT INDICATES COMMUNICATIONS CABLING REEL LENGTH: -1 = 250 FT, -3 = 100 FT										

PANEL SCHEDULE NOTES	
GENERAL NOTES:	
BALANCE PANELS WITHIN 10% PHASE TO PHASE.	
EX	EXISTING CIRCUIT TO REMAIN
R	REUSE EXISTING CIRCUIT BREAKER, VERIFY SPARE BREAKER IS IN GOOD WORKING CONDITION. REPLACE AS REQUIRED.
LOC	HAND LOCK "OFF" CLAMP DEVICE

5 EXISTING RISER DIAGRAM

NOT TO SCALE



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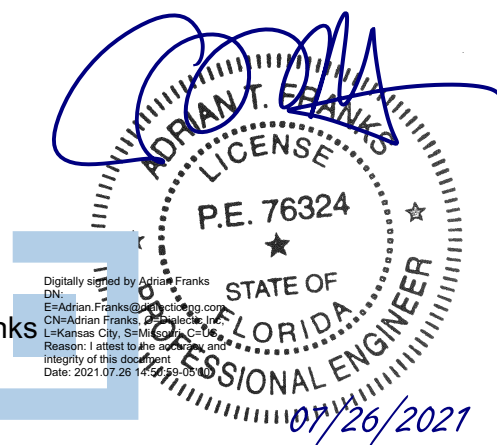
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No.	Description	Date
A	Permit Set	2021 05 28

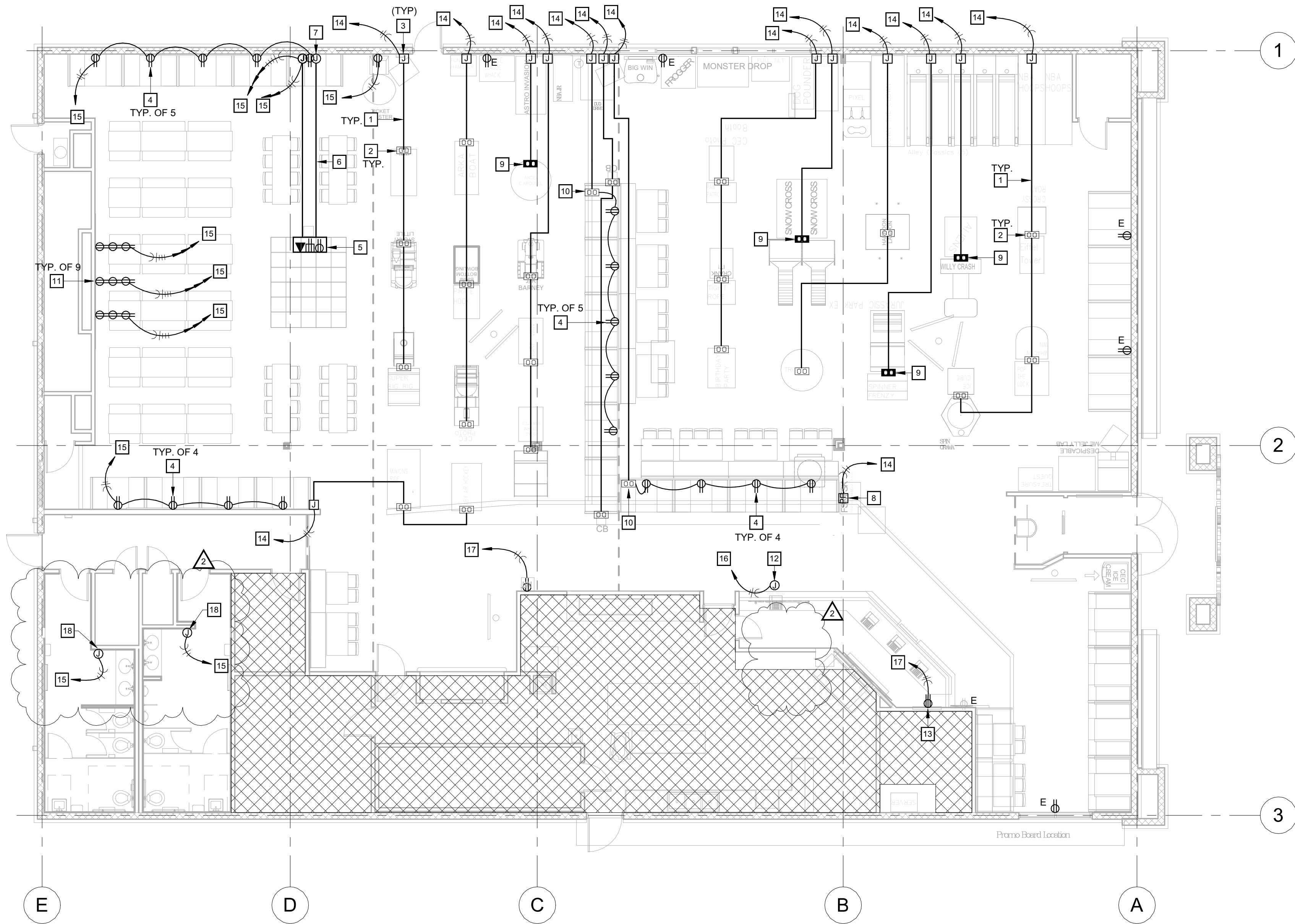
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ELECTRICAL DETAILS

Approved By:
Orange County
Division of Building Safety

B2190302
E3.0

09/30/21



1 POWER FLOOR PLAN

1/8" = 1'-0"



POWER GENERAL NOTES

- 1 ALL OUTLETS ACCESSIBLE TO PUBLIC SHALL BE TAMPER RESISTANT.
- 2 OUTLETS SHALL BE CONCEALED FROM PUBLIC AND LOCATED BEHIND EQUIPMENT.
- 3 REFER TO SHEET A1.2 FOR FLOOR RECEPTACLE LOCATIONS.
- 4 ELECTRICAL CONTRACTOR TO FIELD VERIFY ALL CIRCUIT REQUIREMENTS WITH OWNER AND EXISTING SPARE PANEL SPACE IS AVAILABLE IN PANELS
- 5 ELECTRICAL CONTRACTOR TO FIELD VERIFY WORKING ORDER AND QUANTITY OF EXISTING CIRCUITS SERVING GAMES.
- 6 CONFIGURATION OF 12"X12"X8" DANCE FLOOR RESSESSED BOX MAY VARY PER LOCATION, VERIFY EXACT CONDITIONS WITH OWNER PRIOR TO ROUGH-IN.

BID NOTES

- 1 CONTRACTOR SHALL PROVIDE BID TO INSTALL UNDER CARPET WIRING SYSTEM FOR POWER DISTRIBUTION TO ARCADE GAMES. SYSTEM SHALL COMPLY WITH NEC REQUIREMENTS AND BE AS PROVIDED BY TYCO/AMP SYSTEMS. CONTACT SARAH MAKE (817) 213-1533, Sarah.Moske@graybar.com FOR INFORMATION AND QUANTITIES OF FCC AND ACCESSORIES FOR UNDER CARPET WIRING INSTALLATION.
- 2 ADDITIONAL CABLE/FLOOR PREPARATION SHALL BE REQUIRED FOR PROPER INSTALLATION. E.G.: FLOOR PREPARATION, TOP SHIELD, ADHESIVE, HOLD-DOWN TAPE, PATCHING, BONDING CLIPS, ETC., COORDINATE WITH MANUFACTURERS RECOMMENDED INSTALLATION TECHNIQUES AND ACTUAL FIELD CONDITIONS. PROVIDE AS NEEDED.

ELECTRICAL KEYNOTES

- 1 TYCO/AMP UNDER CARPET WIRING SYSTEM CABLE ROUTE. INSTALL PER MANUFACTURERS RECOMMENDATIONS AND REQUIREMENTS. SEE DETAIL '1' ON SHEET E3.0.
- 2 TYCO/AMP UNDER CARPET WIRING SYSTEM ACTIVATION AND OUTLET BOX. INSTALL PER MANUFACTURERS RECOMMENDATIONS AND REQUIREMENTS. VERIFY WITH PROJECT MANAGER ANY FINAL CHANGE TO GAME LAYOUT PRIOR TO INSTALLING. SEE DETAIL '2' ON SHEET E3.0.
- 3 PROVIDE FULLY RECESSED TRANSITION BOX FOR UNDER CARPET WIRING SYSTEM CONNECTION. SEE DETAIL '3' ON SHEET E3.0.
- 4 PROVIDE DUPLEX RECEPTACLE WITH TWO(2) INTEGRAL USB CHARGING PORT AT EACH RECEPTACLE. MOUNT DEVICE HORIZONTALLY ALONG DIMENSION MOUNT @2'-8" A.F.F. INSTALL MC CABLE OR FLEX CONDUIT IN FURNITURE HOLLOW SPACE BETWEEN BOOTHS. VERIFY REQUIREMENTS IN FIELD.
- 5 GC FURNISHED 12"X12"X8" BOX RECESSED INTO FLOOR. (1) QUAD RECEPTACLE SPLIT TO RECEIVE (4) DEDICATED 20A CIRCUITS AND (1) DUPLEX RECEPTACLE TO RECEIVE (1) DEDICATED 20A CIRCUIT. (2) YELLOW CAT6 CABLES STUBBED INTO BOX.
- 6 (2) YELLOW CAT6 CABLES FROM FLOOR BOX TO AV ROOM WITH 12' OF SLACK. YELLOW CAT6 PROVIDED BY CEC AND INSTALLED BY GC.
- 7 EXTEND 1" CONDUIT TO ABOVE ACCESSIBLE CEILING SPACE WITH (2)YELLOW CAT6 BACK TO AV ROOM. YELLOW CAT6 FURNISHED BY CEC.
- 8 SATIN ANODIZED ALUMINUM, 10'-5" TELE-POWER POLE WITH TWO SEPARATE WIREWAY COMPARTMENTS. ONE COMPARTMENT FOR POWER WIRING WITH TWO DUPLEX, 20A, 125 VOLT RECEPTACLES IN COVER FACE AND POWER JUNCTION BOX AT TOP OF POLE. SECOND COMPARTMENT FOR COMMUNICATION WIRING WITH REMOVABLE COVER SECTION AT BOTTOM OF POLE FOR CABLE ACCESS. WIREMOLD #AMDTF-4.
- 9 GAMES IN THIS LOCATION REQUIRE A DEDICATED 20A, 120V CONNECTION.
- 10 USB DUPLEX INSTALLED AT SETTEES BY MILLWORK SUPPLIER; GC TO DAISY-CHAIN POWER TO J-BOX.
- 11 RECEPTACLES FOR VIDEO WALL. VERIFY MOUNTING HEIGHT WITH ARCHITECTURAL ELEVATIONS.
- 12 PROVIDE FINAL CONNECTIONS TO STRUCTURE HUNG "YOU WON" SIGN. VERIFY LOCATION WITH ARCHITECT.
- 13 PROVIDE RECESSED RECEPTACLES FOR PROMO BOARD. VERIFY MOUNTING HEIGHT WITH ARCHITECTURAL ELEVATIONS.
- 14 RE-USE EXISTING GAME CIRCUIT
- 15 CONNECT TO EXISTING SPARE CIRCUIT. IF NO SPARE CIRCUITS ARE LEFT PROVIDE A 20A CIRCUIT BREAKER MATCHING EXISTING EQUIPMENT.
- 16 TIE INTO NEAREST GAMES FLOOR LIGHTING CIRCUIT. VERIFY CIRCUIT HAS ENOUGH SPARE CAPACITY FOR NEW LOAD.
- 17 TIE INTO NEAREST CIRCUIT. VERIFY CIRCUIT HAS ENOUGH SPARE CAPACITY FOR NEW LOAD.
- 18 PROVIDE RECESSED JUNCTION BOX FOR HAND DRYERS. VERIFY MOUNTING HEIGHT AND EXACT LOCATION WITH ARCHITECT PRIOR TO ROUGH-IN.

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Contact: Joe Hillebrenner, P.E.

Design Directive: 43



No.	Description	Date
2	Restroom Renovation	2021 07 26
A	Permit Set	2021 05 28

DRAWN BY: JGM

CHECKED BY: ATF

PROJ. NO: 94-21751

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POWER FLOOR PLAN

Approved By:
Orange County
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B2190302

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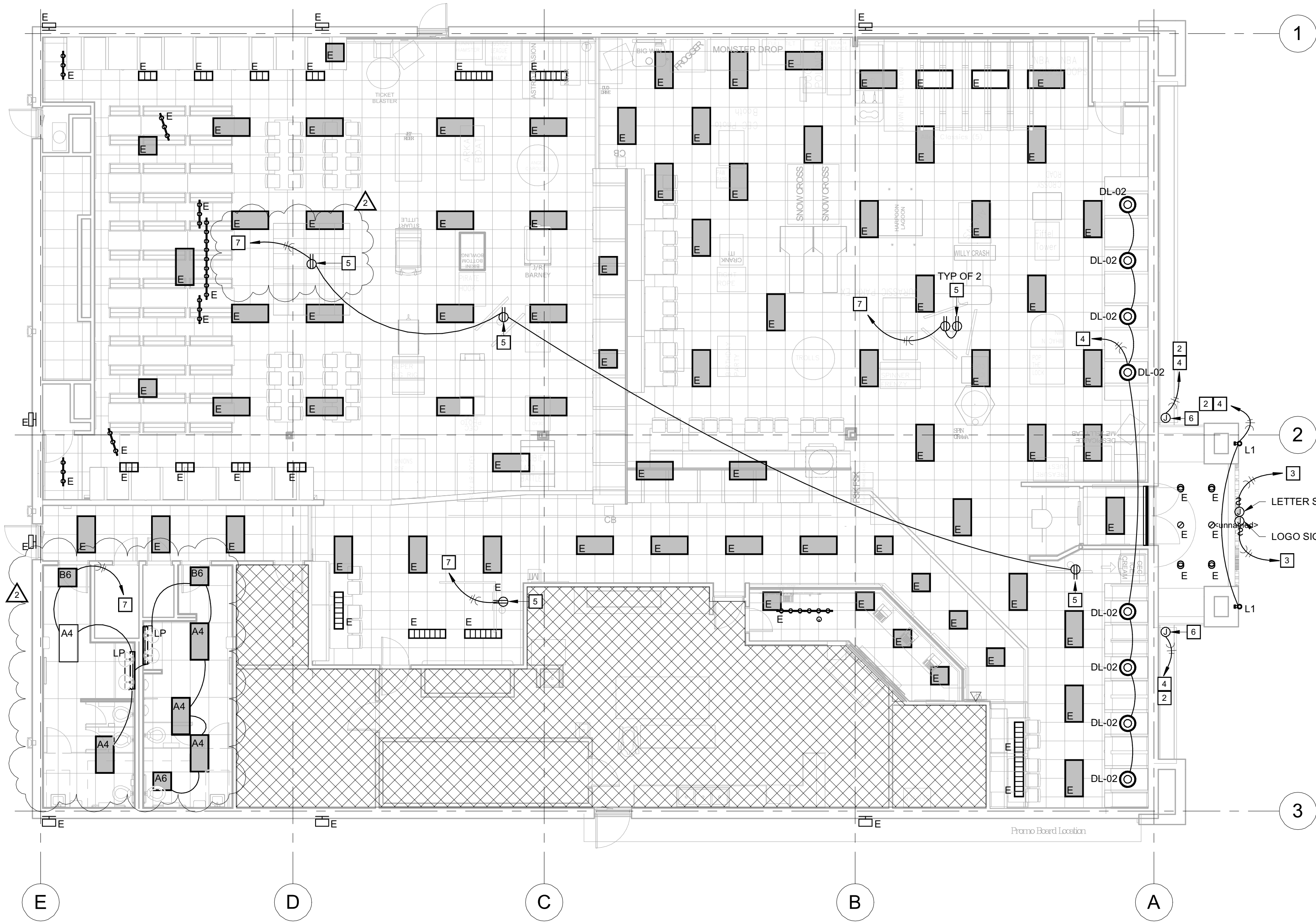
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LIGHTING GENERAL NOTES

- CONNECT EXIT SIGNS, EMERGENCY AND NIGHT LIGHTS TO AN UNSWITCHED LIGHTING CIRCUIT. NOT CONTROLLED BY ANY OCCUPANCY SENSORS, SWITCHES OR CONTACTORS.
- OUTLETS, SWITCHES, AND PLATES SHALL BE:
A) STAINLESS AT FRP
B) GREY AT MARLITE. SAFETY RECEPTACLES, LEVITON 5262-SGG RECEPTACLES, 80703 EG PLATE.
C) WHITE AT ALL OTHER AREAS.
D) CEILING OUTLET SHALL BE PAINTED TO MATCH CEILING COLOR.
- PROVIDE A DEDICATED NEUTRAL WITH ALL DIMMING SYSTEM CIRCUITS. NO COMMON NEUTRALS SHALL BE ALLOWED.
- REFER TO ARCHITECTURAL REFLECTED CEILING PLAN AND DETAILS FOR THE LOCATION OF ALL LIGHTING FIXTURES AND ALL OTHER EQUIPMENT INSTALLED IN THE CEILING SYSTEM. VERIFY MOUNTING HEIGHTS AND FINISHES WITH ARCHITECT PRIOR TO ROUGH-IN.
- REFER TO THE POWER PLANS FOR LOCATIONS OF ELECTRICAL EQUIPMENT

ELECTRICAL KEYNOTES

- PROVIDE JUNCTION BOX FOR SIGNAGE TRANSFORMER WITH CODE REQUIRED DISCONNECT. MOUNTED 24" ABOVE FINISHED ROOF. COORDINATE FINAL LOCATIONS AND REQUIREMENTS WITH SIGNAGE VENDOR PRIOR TO ROUGH-IN. ALL TRANSFORMERS SHALL BE GROUNDED TO JUNCTION BOX. ROUTE CIRCUIT THROUGH PARAPET WALL. DO NOT PENETRATE ROOF.
- CIRCUIT SHALL BE CONTROLLED THROUGH EXISTING CONTACTOR ACTIVATED BY PHOTOCELL MOUNTED ON THE ROOF AND DEACTIVATED BY A TIME CLOCK.
- CONNECT TO AND REUSE THE EXISTING BRANCH CIRCUIT AND CONTROLS. PROVIDE OCCUPANCY SENSOR FOR RESTROOMS. EC TO VERIFY CIRCUITS ARE NOT OVERLOADED.
- CONNECT TO EXISTING SPARE LIGHTING BRANCH CIRCUIT. ROUTE THROUGH SPARE LIGHTING CONTROL SYSTEM CHANNEL. PROVIDE CONTACTOR IF EXISTING SPARE IS NOT AVAILABLE. CONTRACTOR SHALL VERIFY THE LOAD ON THE BRANCH CIRCUIT WHEN COMPLETE AND REPORT FINDINGS TO THE CEC PM IN WRITING.
- RECEPTACLE AND DATA FOR TV MONITORS SUSPENDED FROM STRUCTURE.
- WEATHER PROOF JUNCTION BOX FOR CONNECTIONS TO EYEBROW FEATURE LIGHT FIXTURES. VERIFY EXACT LOCATION. COORDINATE WITH SIGN MANUFACTURER.
- CONNECT TO EXISTING SPARE CIRCUIT. IF NO SPARE CIRCUITS ARE LEFT PROVIDE A 20A CIRCUIT BREAKER MATCHING EXISTING EQUIPMENT.



1 LIGHTING FLOOR PLAN

1/8" = 1'-0"

LIGHTING FIXTURE SCHEDULE

Type Mark	MANUFACTURER	CATALOG NUMBER	DESCRIPTION	LAMPS	VOLTS	FIXTURE WATTS	REMARKS
A4	COMMERCIAL LIGHTING IND.	CLI-CECNA4	32 CELL PARABOLIC LOUVRER WITH 2 LAMPS	F032/T8/841	120 V	64 VA	
A6	COMMERCIAL LIGHTING IND.	CLI-CECNA4	32 CELL PARABOLIC LOUVRER WITH 2 LAMPS	F032/T8/841	120 V	64 VA	
B6	COMMERCIAL LIGHTING IND.	CLI-CECNA6	2X2 FLOURESCENT - W/ BATTERY BACK-UP	F032/T8/841	120 V	32 VA	
DL-02	COMMERCIAL LIGHTING IND.	CLI-CECNADL-02	FLY SUSPENSION LAMP COLOR: ORANGE; DIM 20.5"D X 13"H; 101"MAX HEIGHT	E26 MEDIUM BASE HALOGEN MAP	120 V	43 VA	MOUNT AT 6' AFF.
L1	COMERCIAL LIGHTING IND.	CLI-CECNADL-01	EXTERIOR WALL SCONCE LED TUBE DOWN OUTDOOR WALL LIGHT. COLOR: BLACK; DIM: 5L X 7H X 6" EXTENSION	LED LAMP INCLUDED	120 V	18 VA	LABELLED FOR WET LOCATION
LP	COMMERCIAL LIGHTING IND.	CLI-CECNALP-22	4'-0" LONG VANITY LIGHT OVER RESTROOM LAVATORIES	F032/T8/841	120 V	32 VA	MOUNT AT 7'-0" AFF CENTERLINE OF FIXTURE

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No.	Description	Date
2	Restroom Renovation	2021 07 26
A	Permit Set	2021 05 28

DRAWN BY: JGM

CHECKED BY: ATF

PROJ. NO: 94-21751

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LIGHTING FLOOR PLAN

Approved By:
Orange County
Division of Building Safety

B2190302
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09/30/21

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ELECTRICAL SYMBOLS LEGEND			
	HOME RUN TO PANEL. CIRCUIT NUMBERS, PHASE, NEUTRAL, AND GROUND CONDUCTORS INDICATED ALONG WITH ISOLATED GROUND CONDUCTOR IF APPLICABLE. PARTIAL CIRCUIT.		
	CONDUIT INSTALLED CONCEALED ABOVE CEILING OR IN WALL.		
	CONDUIT INSTALLED CONCEALED BELOW FLOOR SLAB OR UNDERGROUND.		
	GROUND CONNECTION.		
	SINGLE POLE SWITCH, +3'-10" OR AS NOTED.		
	THREE-WAY SWITCH, +3'-10" OR AS NOTED.		
	KEY OPERATED SWITCH, +3'-10" OR AS NOTED.		
	WEATHERPROOF TOGGLE SWITCH, +3'-10" OR AS NOTED.		
	SINGLE POLE SWITCH WITH PILOT LIGHT, +3'-10" OR AS NOTED.		
	WALL MOUNTED OCCUPANCY SENSOR, +3'-10" OR AS NOTED.		
	CEILING MOUNTED OCCUPANCY SENSOR.		
	CEILING MOUNTED INTERIOR DAYLIGHT HARVESTING PHOTOCELL SENSOR.		
	POWER PACK, INSTALLED ABOVE ACCESSIBLE CEILING.		
	SIMPLEX RECEPTACLE, +18" OR AS NOTED.		
	ISOLATED GROUND SIMPLEX RECEPTACLE, +18" OR AS NOTED.		
	DUPLEX RECEPTACLE, +18" OR AS NOTED.		
	ISOLATED GROUND DUPLEX RECEPTACLE, +18" OR AS NOTED.		
	QUADPLEX RECEPTACLE +18" OR AS NOTED.		
	ISOLATED GROUND QUADPLEX RECEPTACLE, +18" OR AS NOTED.		
	GROUND FAULT INTERRUPTING RECEPTACLE, +18" OR AS NOTED.		
	WEATHERPROOF GROUND FAULT INTERRUPTING RECEPTACLE, +18" OR AS NOTED.		
	SURGE PROTECTED RECEPTACLE, +18" OR AS NOTED.		
	RECEPTACLE INSTALLED HORIZONTALLY AT +18" OR AS NOTED.		
	RECEPTACLE INSTALLED HORIZONTALLY, BOTTOM AT +6" ABOVE COUNTER TOP.		
	RECEPTACLE INSTALLED FLUSH IN CEILING.		
	ISOLATED GROUND RECEPTACLE INSTALLED FLUSH IN CEILING.		
	SPECIAL RECEPTACLE, NEMA STYLE AS NOTED, +18" OR AS NOTED.		
	FLUSH FLOOR MOUNTED RECEPTACLE, LETTER INDICATES TYPE.		
	JUNCTION BOX.		
	DISCONNECT SWITCH, TOP AT +6'-0" OR AS NOTED.		
	DISCONNECT SWITCH PROVIDED WITH EQUIPMENT.		
	EXTERIOR PHOTOCELL, INSTALLED ON ROOF FACING NORTH.		
	CONTROL OR POWER RELAY, INSTALLED AS NOTED.		
	PUSHBUTTON, TOP AT +4'-6" OR AS NOTED.		
	DOOR BELL CHIMEM, +6'-0" OR AS NOTED.		
	CONTROL TRANSFORMER, INSTALLED AS NOTED.		
	THERMOSTAT, TEMPERATURE SENSOR, CARBON DIOXIDE SENSOR AND HUMIDISTAT PROVIDED BY MECHANICAL CONTRACTOR, +3'-10" OR AS NOTED.		
	ELECTRICALLY OPERATED DAMPER, PROVIDED BY MECHANICAL CONTRACTOR.		
	120 VOLT DUCT TYPE SMOKE DETECTOR, PROVIDED BY MECHANICAL CONTRACTOR.		
	SECURITY SYSTEM CONTROL PANEL, TOP AT 6'-0".		
	KEYPAD, +46" OR AS NOTED.		
	SECURITY CAMERA.		
	MOTION DETECTOR, CEILING MOUNTED.		
	DOOR CONTACTS.		
	TRANSFORMER, FLOOR MOUNTED OR SUSPENDED FROM STRUCTURE AS NOTED.		
	BRANCH CIRCUIT PANELBOARD, TOP AT +6'-0" OR AS NOTED.		
	DISTRIBUTION PANEL, TOP AT +6'-0" OR AS NOTED.		
	PLYWOOD PHONEBOARD, INSTALLED AS NOTED.		

ELECTRICAL GENERAL NOTES

- 1 INCLUDE ALLOWANCE FOR UNFORSEEN CONDITIONS THAT MAY EFFECT THE SCOPE OF WORK. MINOR DEVIATIONS REQUIRED FOR ACCOMPLISHING THE INTENT OF THIS DESIGN ARE TO BE INCLUDED IN THIS ALLOWANCE.
- 2 ELECTRICAL DESIGN HAS BEEN BASED ON THE INSTALLATION OF 75°C CONDUCTORS CONFORMING TO THE NATIONAL ELECTRICAL CODE (NEC) LISTED FOR A MINIMUM 75°C CONDUCTORS TERMINATED ON EQUIPMENT WITH A LOWER RATING 60°C OR NO RATING SHOWN TO HAVE CONDUCTOR SIZE INCREASED TO CONFORM TO ADOPTED ELECTRICAL CODE AND UL/CUL NO. 485 REQUIREMENTS.
- 3 CONDUIT INSTALLED INSIDEORS SHALL BE ELECTRICAL METALLIC TUBING (EMT), MINIMUM 1/2" OR AS NOTED.
- 4 CONDUIT INSTALLED BELOW SLAB SHALL BE RIGID STEEL, IMC, PVC OR HDPE, MINIMUM 3/4". IF PVC OR HDPE IS USED, TRANSITION TO RIGID STEEL BEFORE TURNING UP AND PENETRATING FLOOR SLAB.
- 5 CONDUCTORS SHALL BE A MINIMUM OF #12 THINWALL COPPER UNLESS NOTED OTHERWISE ON PLANS OR IN SPECIFICATIONS. BRANCH CIRCUITS SHALL BE PROVIDED WITH (2) #12 CONDUCTORS AND (1) #12 EQUIPMENT GROUND CONDUCTOR UNLESS NOTED OTHERWISE.
- 6 BRANCH CIRCUITS SHOWN WITH TWO GROUNDING CONDUCTORS SHALL HAVE ONE EQUIPMENT GROUND CONDUCTOR (GREEN) AND ONE ISOLATED GROUND CONDUCTOR (GREEN W/ YELLOW STRIP) INSTALLED IN RACEWAY.
- 7 DIRECT CURRENT WIRING SHALL BE (2) #10 IN 1/2" CONDUIT UNLESS NOTED OTHERWISE.
- 8 CONTROL VOLTAGE WIRING SHALL BE PLENUM RATED OR INSTALLED IN CONDUIT.
- 9 PROVIDE FLEXIBLE CONNECTIONS ONLY FOR FINAL CONNECTION TO EQUIPMENT. 6" MINIMUM LENGTH. PROVIDE LIQUID TIGHT FLEXIBLE EQUIPMENT. 6" MINIMUM LENGTH. PROVIDE LIQUID TIGHT FLEXIBLE CONNECTION AT EXTERIOR LOCATIONS AND WHERE EXPOSURE TO MOISTURE IS POSSIBLE.
- 10 ALL EMPTY CONDUITS SHALL BE PROVIDED WITH A PULL WIRE.
- 11 ALL RACEWAYS SHALL CONTAIN A GROUNDING ELECTRODE SIZED PER THE ADOPTED ELECTRICAL CODE.
- 12 COORDINATE WORK ABOVE THE CEILING WITH OTHER TRADES TO PROVIDE THE GREATEST POSSIBLE CLEARANCE. CONDUIT RUNS SHALL BE RUN THROUGH TRUSSES WHERE POSSIBLE.
- 13 VERIFY EXACT PLACEMENT OF ALL DEVICES SHOWN ON THE CONSTRUCTION DOCUMENTS PRIOR TO FINAL PLACEMENT.
- 14 ALL PANELBOARDS, SWITCHBOARDS AND LINE VOLTAGE CONTROL EQUIPMENT SHALL BE FIELD MARKED TO WARN QUALIFIED PERSONS OF POTENTIAL ELECTRIC ARC FLASH HAZARDS. MARKING SHALL BE LOCATED SO AS TO BE CLEARLY VISIBLE TO QUALIFIED PERSONS BEFORE EXAMINATION, ADJUSTING, SERVICING OR MAINTENANCE OF EQUIPMENT. MARKING SHALL BE SLAF ADHESIVE, COMMERCIAL LABEL, CONFORMING TO ADOPTED CODES.
- 15 LIGHT SWITCHES, ELECTRICAL OUTLETS, THERMOSTATS AND OTHER ENVIRONMENTAL CONTROLS LOCATED NO HIGHER THAN 48" AND NO LOWER THAN 18" ABOVE THE FLOOR. IF THE REACH IS OVER AN OBSTRUCTION, EVEN 20" AND 25" IN DEPTH, THE MINIMUM HEIGHT IS TO BE REDUCED TO 12" FOR FORWARD APPROACH OR 46" FOR SIDE APPROACH. PROVIDE THE OBSTRUCTION IS NO MORE THAN 12" IN DEPTH. OBSTRUCTIONS SHALL NOT EXTEND MORE THAN 25" FROM THE WALL BENEATH A CONTROL.
- 16 TERMS: SHALL - ACTION THAT IS REQUIRED WITHOUT OPTION OR QUALIFICATION. FURNISH - CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING. INSTALL - CONTRACTOR SHALL BE RESPONSIBLE FOR LABOR AND CONSTRUCTION EQUIPMENT NECESSARY TO SET IN PLACE, CONNECT, CALIBRATE AND/OR TEST EQUIPMENT FOLLOWED BY HIM OR OTHERS. PROVIDE - CONTRACTOR SHALL FURNISH AND INSTALL.

REMODEL GENERAL NOTES

ALL EXISTING EQUIPMENT, WIRING DEVICES, LIGHTS, CONDUIT, WIRING, CIRCUITING, ETC. NOT DISTURBED BY NEW CONSTRUCTION WORK SHALL BE MAINTAINED AND UNDAMAGED. THESE DEVICES, IF SHOWN, ARE SHOWN FOR INFORMATION PURPOSES ONLY. VISIT THE JOB SITE TO VIEW EXISTING CONDITIONS AND FAMILIARIZE THE DEVICES WITH ALL WORK TO BE DONE AT THE JOB SITE. FAILURE TO DO SO SHALL NOT RELIEVE CONTRACTOR OF THE RESPONSIBILITY FOR PERFORMING ALL WORK NECESSARY TO PROVIDE A WORKMANLIKE INSTALLATION.

- EXISTING SERVICES (ELECTRICAL, FIRE ALARM, ETC.) SHALL NOT BE INTERRUPTED WITHOUT PRIOR SCHEDULING OF SUCH OUTAGES WITH THE OWNER, ARCHITECT, AND ALL OTHER PARTIES INVOLVED.
- MAINTAIN ACCURATE RECORDS OF ALL MODIFICATIONS TO EXISTING SYSTEMS WHICH ARE TO REMAIN. DELIVER ALL "RECORD" DRAWINGS TO THE OWNER INDICATING SUCH CHANGES.
- DISCONNECT AND LABEL ABANDONED FEEDERS AND CIRCUITS.
- REMOVE ALL EXPOSED CONDUITS, CONDUITS ABOVE LAY-IN CEILINGS, OR EQUIPMENT WHICH IS ABANDONED.
- WHERE NEW WORK INTERFERES WITH CIRCUITS IN ROOMS OTHERWISE UNDISTURBED, EXISTING CIRCUITS SHALL BE REWORKED AS REQUIRED TO MAINTAIN SERVICE.
- ALL EQUIPMENT, FIXTURES, PANELBOARDS, CONDUIT AND WIRING THAT ARE REMOVED SHALL BE REMOVED FROM THE JOB SITE, UNLESS DIRECTED OTHERWISE BY THE ARCHITECT OR OWNER'S REPRESENTATIVE.
- EXISTING ROUGH-IN BOXES AND CONDUIT MAY BE UTILIZED IF THEY ARE OF PROPER SIZE AND IN SUFFICIENT LOCATION(S) FOR NEW CONSTRUCTION. DEVICES AND WIRING SHALL BE NEW.
- CIRCUIT ROUTINGS SHOWN IN REMODELED AREAS MAY BE MODIFIED TO SUIT FIELD CONDITIONS. KEEP DEVICES AND/OR FEEDER CIRCUITS APPROXIMATELY AS INDICATED TO LIMIT VOLTAGE DROP OF FEEDER AND BRANCH CIRCUITS.
- VERIFY THE LOCATION AND CONDITION OF ALL EXISTING UTILITIES AND PROTECT DURING THE COURSE OF THEIR WORK. EXISTING UTILITIES, BUILDING MATERIALS AND ANY ASSOCIATED ITEMS WHICH ARE DAMAGED BY CONTRACTOR'S NEGLIGENCE SHALL BE REPAIRED OR REPLACED AT THE CONTRACTOR'S EXPENSE (IN A TIMELY MANNER) AND TO THE OWNER'S APPROVAL
- COORDINATE THE REMOVAL OR RELOCATION OF ALL MECHANICAL AND PLUMBING EQUIPMENT, DISCONNECT AND REMOVE ALL ELECTRICAL POWER AND CONTROL CIRCUITS FOR EQUIPMENT BEING REMOVED OR RELOCATED. EXISTING CONDUIT AND ROUGH-IN MAYBE USED FOR RELOCATED OR NEW EQUIPMENT. ALL CONDUCTORS SHALL BE NEW.
- REMOVE ALL EXISTING DATA, TELEPHONE, FIRE ALARM CABLING AND ANY OTHER LOW VOLTAGE WIRING THAT ARE NOT TO BE USED.
- DESIGN IS BASED ON FIELD INFORMATION, AS-BUILT DRAWINGS AND OWNER FURNISHED INFORMATION. VERIFY ACCURACY OF ALL EXISTING CONDITIONS. IN CASE OF DISCREPANCY, PROVIDE ALL NECESSARY CONDUIT, WIRE, BOXES, FITTINGS, ETC. FOR COMPLETING AND INTEGRATING ELECTRICAL SYSTEM. ENTIRE INSTALLATION TO COMPLY WITH SPECIFICATIONS AND ADOPTED ELECTRICAL CODE.

09/30/21

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This Approval does not grant permission to violate any applicable code.
Encroachment of any part of this improvement can result in a cloud on
title of this property. Keep this plan on the job site at all times.